

High Performance Computing Platform 1U 2-way SMP System



GT24-B3992-E

B3992G24V4H-E

▼ Front View



▼ Back View



2-way AMD Opteron™ platform designed for HPC and virtualization applications

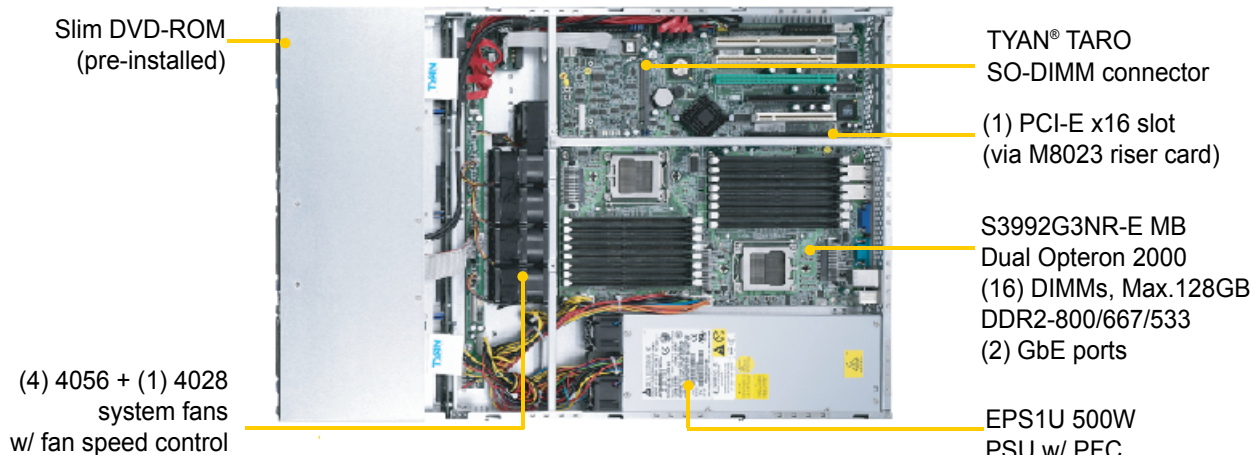
- Dual LGA 1207-pin sockets support up to (2) AMD 45nm Quad-Core Opteron™ 2300 series processors
- Support AMD Dual Dynamic Power Management (DDPM) feature
- ServerWorks® HT-2000 + HT-1000
- (16) 240-pin DDR2 DIMM slots support up to 128GB registered DDR2 667/533/400 w/ ECC memory; up to 64GB registered DDR2 800 w/ ECC memory
- (1) Full-Height/ Full-Length PCI-E x16 slot (via M2083-RS and w/ x8 link)
- (4) hot-swap 3.5" SATA-II HDDs w/ RAID 0, 1, 0+1, 5 support
- (2) GbE & (1) FE LAN
- (1) EPS1U 500W PSU w/ PFC
- Optional TYAN® M3291 SMDC for IPMI v2.0 support

Model #	No. of HDD supported	Backplane	Power Supply
B3992G24V4H-E	(4) Hot-swap SATA-II	4-port SAS/ SATA	500W PSU

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▼ TOP View



S P E C I F I C A T I O N S

Enclosure

- TYAN® GT24 industry standard 19" rack-mountable 1U chassis
- (1) slim DVD-ROM bay
- (4) 3.5" hot-swap HDD bays
- Dimension
- H1.72" x W17.2" x D25.4"
- H43.6mm x W436mm x D645mm

Processors

- Dual LGA 1207 sockets
- Support up to (2) 45nm Quad-Core AMD Opteron™ 2300 series processors
- Support 4.4GT/s HyperTransport™ inter-processor link
- Support AMD Dual Dynamic Power Management (DDPM) feature

Chipset

- nVIDIA nForce® Professional 3600 (NFP 3600)
- SMSC SCH4307 Super I/O chip

Memory

- Dual-channel memory bus
- (16) 240-pin DDR2 DIMM slots
- Support up to 128GB registered DDR2 667/533/400 w/ ECC memory
- Support up to 64GB registered DDR2 800 w/ ECC memory

Expansion Slots

- (1) FH/FL PCI-E x16 slot (via M2083-RS w/ x8 link)
- Total (1) expansion slot

Integrated 2D / 3D PCI Graphics

- ATI ES1000 graphic controller
- PCI interface
- 32MB DDR video frame buffer memory

Server Management

- Optional TYAN® M3291 SMDC

- IPMI v2.0 compliant

BIOS

- AMI BIOS on 8Mbit LPC Flash ROM
- Support ACPI 2.0
- Serial Console Redirect
- User configurable H/W monitoring
- PXE via Ethernet, USB device boot
- PnP, DMI 2.0, WfM 2.0 Power Management
- 48-bit LBA support

Integrated LAN Controller

- Broadcom BCM5714 GbE LAN controller (integrated in HT-2000)
- Intel® 82551QM 10/100 FE LAN controller
- Total (3) RJ-45 LAN ports

Motherboard

- B3992G24V4H-E
- TYAN® S3992G3NR-E

Power Supply

- EPS1U high-efficiency 500W PSU w/ PFC
- 100V~240V full-range AC input

Rear Panel I/O Ports

- 1) stacked PS/2 connectors for mouse and keyboard
- (1) stacked 2-port USB 2.0 and 1-port RJ-45 connectors
- (1) DB-9 serial port
- (1) D-sub VGA port
- (2) side-by-side RJ-45 connectors

Front Panel Features

- I/O
- (2) USB 2.0 ports
- LED indicators
- Power LED
- (2) LAN LEDs

- HDD Active LEDs
- ID LED
- Warning LED
- Switches
- Power
- Reset
- ID
- NMI

Storage

- B3992G24V4H-E
- Integrated SATA controller (with NCQ implemented) in HT-1000
- (4) hot-swap 3.5" SATA-II HDDs w/ RAID 0, 1, 0+1, 5 support
- Pre-installed slim type DVD-ROM for both SKUs

System Cooling

- (4) 40mm x 40mm x 56mm 15,000rpm heavy-duty fans with fan speed monitor and control
- (1) 40mm x 40mm x 28mm 15,000rpm heavy-duty fans with fan speed monitor and control
- (2) Passive CPU Heatsink

Environment Temperature

- Operating temperature 5°C~35°C
- Non-operating temperature - 40°C~70°C

Regulatory

- FCC Class B (Declaration of Conformity)
- CE (Declaration of Conformity)

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